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(54) **Automatic Production and Dispensing Device for Windscreen Washer Fluid**

(57) The invention is about a device that has the purpose to prepare a windscreen washer fluid, which is obtained by specifically dosing a concentrated solution (stored in one or multiple containers) and mixing it with water from the local network in a tank, as well as delivering the newly obtained windscreen washer fluid into the vehicles' washer reservoirs by using special nozzles. It has the possibility to measure and display, in real time, the amount of windscreen washer that was delivered through an electronic software system.

The windscreen washer dispenser is made from a casing **A**, in which there is the following assembly: one

or more concentrated solution containers **1** connected through dosing circuits (which contains dosing pumps **2** with drain sensors) to the mixing reservoir **5**, a water supply circuit (which contains a filtering element **3** and a solenoid valve **4**), also connected to the mixing reservoir **5** (which contains level sensors (not shown) that operate the solenoid valves **4** and **6** through the electronic software system (not shown)), a buffer reservoir **7** and one or more delivery circuits (which contains a pump **8**, a hose with nozzle **11** and a nozzle sensor **12**). Each delivery circuit includes a solenoid valve **10**, a pulse-meter **9** and a display **13** controlled by the electronic software system.

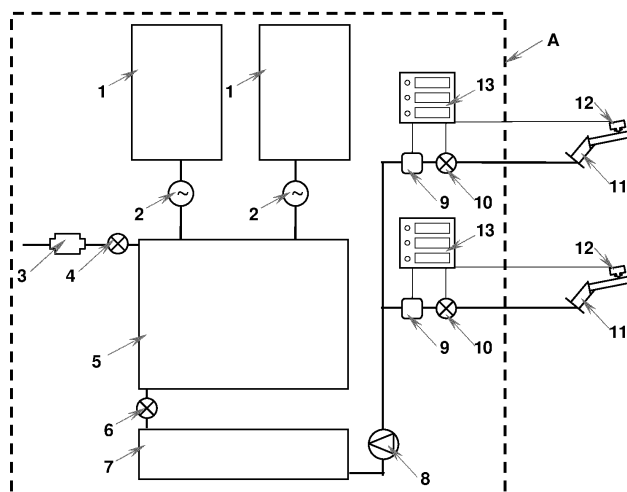


Fig. 1



## EUROPEAN SEARCH REPORT

Application Number  
EP 12 15 2256

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 July 2013	Examiner Blandin, Béatrice
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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